

A PARTIAL BIBLIOGRAPHY OF THE FISHES OF THE PACIFIC COAST OF THE UNITED STATES AND OF ALASKA, FOR THE YEAR 1880.

By **TARLETON H. BEAN.**

We have, in Bulletin 11 of the United States National Museum, a bibliography of the fishes of the Pacific coast of the United States, brought up to the end of 1879, by Prof. Theodore Gill. There was, however, such great activity of publication during 1880 on the fishes of the same waters that I have collected the titles of papers in the principal works referring to the region, in order to make them immediately available in conjunction with the Bulletin already printed.

The titles are arranged, for the most part, strictly in the order of their publication; in a few cases, however, this order was not ascertained, and they are simply placed with those published in the same month.

1879—Description of a new fish from Alaska (*Anarrhichas lepturus*), with notes upon other species of the genus *Anarrhichas*. By **Tarleton H. Bean**. <Proc. U. S. Nat. Museum, v. 2, pp. 212-218, Dec. 6, 1879.

[Measurements of *Anarrhichas lepturus*, *A. lupus*, *A. latifrons*. Synopsis of all the species.]

1880—

Notes on certain typical specimens of American fishes in the British Museum and in the Museum d'Histoire Naturelle at Paris. By **David S. Jordan**, M. D. <Proc. U. S. Nat. Museum, v. 2, Jan. 20, 1880.

[*Ceratichthys cumingi* Günth. noticed at page 226.]

Descriptions of new species of North American fishes. By **David S. Jordan**. <Proc. U. S. Nat. Museum, v. 2, pp. 235-241, Jan. 20, 1880.

[*Xiphister* proposed as a substitute for *Xiphidion* Girard, at p. 241.]

The salmon industries of Oregon. <The Popular Science Monthly, pp. 573-574, vol. xvi, No. iv, Feb., 1880.

On the Pacific species of *Caulolatilus*. By **W. N. Lockington**. <Proc. Acad. Nat. Sci., Phila., pp. 13-19 (sig. 2), March 23, 1880.

[*Caulolatilus anomalus* (Cooper) Gill and *C. affinis* Gill are conjectured to be identical with *C. princeps* (Jenyns) Gill. The material upon which the above paper is based is insufficient to establish the synonymy proposed. Without some explanation it would be difficult to understand the table of dimensions on page 17: the third column of figures, beginning with 30½, and the second column, beginning with 10.05 inches, should be transposed. The columns beginning with 30½ and 23½ should have this heading: "Hundredths of total length."]

Descriptions of new genera and species of fishes from the coast of California. By **W. N. Lockington**. <Proc. U. S. Nat. Museum, v. 2, pp. 326-332, March 25, 1880.

[N. g. and n. s. *Leurynnis paucidens*, n. g. and n. s. *Odontopyxis trispinosus*, n. s. *Artedius quadriseriatus*. *Leurynnis*=*Lycodopsis*, Collett, *vide* Gill, <Proc. U. S. Nat. Museum, v. 3, p. 247. *Odontopyxis*=*Podothecus*, *vide* Jordan and Gilbert, <Proc. U. S. Nat. Museum, v. 3, p. 454.]

Descriptions of some genera and species of Alaskan fishes. By **Tarleton H. Bean**. <Proc. U. S. Nat. Museum, v. 2, pp. 353-359, March 29, 1880.

[*Cottus polyacanthocephalus* Pallas, *Melletes papilio*, n. g. and n. s., *Dallia pectoralis*, n. g. and n. s.]

1880—Continued.

Notes on a collection of Fishes from San Diego, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 23-34, April 26-May 6, 1880.

[An annotated list of 57 species which were collected by the writers in January, 1880. The following new genera are described: *Roneador* and *Leuresthes*, and the new species, *Aphoristia atricauda*, *Dasybatis dipterurus*, and *Platyrrhina exasperata*.]

Description of a New Flounder (*Xystreureys liolepis*) from Santa Catalina Island, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 34-36, May 6, 1880.

Description of a new ray (*Platyrrhina triseriata*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 36-38, May 6, 1880.

Description of a new species of "rock cod" (*Sebastichthys serriceps*) from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 38-40, May 6, 1880.

On the occurrence of *Cephaloscyllium laticeps* (Duméril) Gill, on the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 40-42, May 6, 1880.

On the oil shark of Southern California (*Galeorhinus galeus*). By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 42-43, May 6, 1880.

The surf smelt of the northwest coast, and the method of taking them by the Nulicheute Indians, west coast of Washington Territory. By **James G. Swan**. <Proc. U. S. Nat. Museum, v. 3, pp. 43-46, May 6, 1880.

[Referring to *Hypomesus pretiosus* Girard, under the name *H. olidus*.]

Description of a new flounder (*Pleuronichthys verticalis*), from the coast of California, with notes on other species. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 49-51, May 6, 1880.

[*Pleuronectes quadrituberculatus* Pallas is here referred to *Pleuronichthys*, but is restored to its proper genus in a subsequent paper by the same authors. The additional species are *Pleuronichthys conocephalus*, *Xystreureys liolepis* and *Atheresthes* (n. g.) *stomias* based upon *Platysomatichthys stomias* Jordan and Gilbert.]

Notes on sharks from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, pp. 51-52, May 6, 1880.

[*Pleuraeromylon laevis* (Risso) Gill recorded from Monterey.]

On the generic relations of *Platyrrhina exasperata*. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, v. 3, p. 53, May 6, 1880.

[*Zapteryx* (n. g.) created for this species.]

Remarks on the species of the genus *Chirus* found in the San Francisco market, including one hitherto undescribed. By **W. N. Lockington**. <Proc. U. S. Nat. Museum, v. 3, pp. 53-57, May 6, 1880.

[*Chirus maculo-seriatus* (n. s.), *C. guttatus* and *C. constellatus* are all equal to *Hexagrammus decagrammus*, *vide* Jordan and Gilbert, same volume, p. 455.]

Description of a new fish from Alaska (*Uranida microstoma*). By **W. N. Lockington**. <Proc. U. S. Nat. Museum, v. 3, pp. 58-59, May 6, 1880.

Description of a new species of *Agonidae* (*Brachyopsis verrucosus*), from the coast of California. By **W. N. Lockington**. <Proc. U. S. Nat. Museum, v. 3, pp. 60-63, May 6, 1880.

[*Brachyopsis*, Gill, is defined on page 63.]

Description of a new genus and some new species of California fishes (*Teosteus enigmaticus* and *Osmerus attenuatus*). By **W. N. Lockington**. <Proc. U. S. Nat. Museum, v. 3, pp. 63-68, May 6-24, 1880.

1880—Continued.

Notes on California fishes.—*Salmonida*. By **W. N. Lockington**. <Amer. Naturalist, vol. xiv, No. 5, pp. 366-368, May, 1880.

[The statement concerning the anal rays of the Pacific coast salmon as distinguished from those of European salmon and all trout may have been obscured by some typographical error. The list of species on page 368 should be compared with Jordan and Gilbert's list of Pacific coast species in Proc. U. S. Nat. Museum, iii, pages 452 to 458, in order to make it agree with the latest nomenclature. *Hypomesus olidus* is not Californian; the Californian species is *H. pretiosus*.]

Description of a new species of *Sebastichthys* (*Sebastichthys miniatus*), from Monterey Bay, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 70-73, May 24, 1880.

Description of a new species of "rock-fish" (*Sebastichthys carnatus*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 73-75, May 24, 1880.

Check list of duplicates of North American fishes distributed by the Smithsonian Institution in behalf of the United States National Museum, 1877-'80. By **Tarleton H. Bean**. <Proc. U. S. Nat. Museum, vol. 3, pp. 75-116, May 24-June 7, 1880.

[15 west coast species were distributed.]

Description of a new species of ray (*Raia stellulata*) from Monterey California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 133-135, July 2, 1880.

Descriptions of new species of *Xiphister* and *Apodichthys*, from Monterey, California. <Proc. U. S. Nat. Museum, iii, pp. 135-140, July 2, 1880.

[*Xiphister chirus* n. s., *Xiphister rupestris* n. s., *Apodichthys fucorum* n. s. The writers, on page 138, express the opinion that *Cebedichthys*, *Xiphister*, and *Apodichthys* do not represent distinct families.]

Description of two new species of *Sebastichthys* (*Sebastichthys entomelas* and *Sebastichthys rhodochloris*), from Monterey Bay, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 142-146, July 2, 1880.

[List of the species of *Sebastichthys* obtained in Monterey Bay, pp. 145-146.]

On the occurrence of a species of *Cremnobates* at San Diego, California. By **Rosa Smith**. <Proc. U. S. Nat. Museum, iii, pp. 147-149, July 2, 1880.

[*Cremnobates integripinnis* n. s.]

Description of a new Agonoid fish (*Brachyopsis xyosternus*), from Monterey Bay, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 152-154, July 2, 1880.

Description of a new flounder (*Hippoglossoides exilis*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 154-156, July 2, 1880.

The herring of the Pacific coast. By **W. N. Lockington**. <Amer. Naturalist, vol. xiv, No. 7, pp. 518, 519, July, 1880.

[Distinguishing characters of *Clupea sagax* and *C. mirabilis*.]

Ichthyologische Beiträge (ix). Von Dr. **Franz Steindachner**, wirklichem Mitgliede der k. Akademie der Wissenschaften. (Mit 6 Tafeln.) (Vorgelegt in der Sitzung am 15. Juli 1880.) <Sitzb. der k. Akad. der Wissensch., B. lxxxii, I Abth., Juli-Heft, pp. 29 (238-266), 1880.

II.—Über zwei neue Agonus—Arten aus Californien. *Agonus* (*Brachyopsis*) *Barkani* n. sp., Taf. v.

[From San Francisco. Equals *Brachyopsis verrucosus* Lockington, according to Jordan and Gilbert, Proc. U. S. N. M., iii, p. 332.]

Agonus (*Brachyopsis*) *Annæ* n. sp., Taf. vi, figs. 1-16.

[Vicinity of San Francisco. Equals *Brachyopsis xyosternus* Jordan and Gilbert, according to Jordan and Gilbert, *op. et loc. cit.*]

1880—Continued.

III.—Über einige Fischarten aus dem nördlichen Japan, gesammelt vom Professor **Dybowski**.

[*Sebastes Taczanowskii* n. s., *Hypoptychus Dybowskii* n. g. and n. s., *Centronotus Dybowskii* n. s., *Centronotus Taczanowskii* n. s., *Neozoarces pulcher* n. g. and n. s., *Gasterosteus japonicus* n. s. *Urocentrus pictus* Kner is referred to *Centronotus*, and *Centronotus quinque maculatus* Kner to *Opisthocentrus quinque maculatus* Kner. The types of the last two species were from De Castries Bay, and not from Pinang and Singapore—(Steindl.)]

Notes on new and rare fishes of the Pacific coast. By **W. N. Lockington**. < Amer. Naturalist, vol. xiv, No. 8, pp. 595-600, August, 1880.

[Remarks on recent discoveries of the writer and Jordan and Gilbert, relative to species of *Sebastichthys*, *Pleuronichthys*, *Lepidopsetta*, *Agonida*, *Embiotocida*, *Chirida*, *Cottida*, *Teosteida*, &c., &c. *Pleurogrammus* Gill is partly characterized. Measurements of *Torpedo californica* are given.]

On the identity of the genus *Leurynnis*, Lockington, with *Lycodopsis*, Collett. By **Theodore Gill**. < Proc. U. S. Nat. Museum, iii, pp. 247-248, Sept. 4, 1880.

[New combinations—*Lycodopsis pacificus* and *Lycodopsis paucidens*.]

Description of a new Chiroid fish, *Myriolepis zonifer*, from Monterey Bay, California. By **W. N. Lockington**. < Proc. U. S. Nat. Museum, iii, pp. 248-251, Sept. 4, 1880.

[*Myriolepis zonifer* (n. g. and n. s.).]

Description of a new species of ray, *Raia rhina*, from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. < Proc. U. S. Nat. Museum, iii, pp. 251-253, Sept. 4, 1880.

Description of a new species of *Hemitripteris* from Alaska. By **W. N. Lockington**. < Proc. Acad. Nat. Sci. Phila., pp. 233-236 (sig. 16), Sept. 7, 1880.

[The supposed new species is *H. cavifrons*. I have examined the type in the California Academy of Sciences and do not hesitate to state my belief in its identity with *Hemitripteris americanus* (Gmel.) Storer.]

Description of a new species of *Catostomus* (*Catostomus cypho*) from the Colorado River. By **W. N. Lockington**. < Proc. Acad. Nat. Sci. Phila., pp. 237-240 (sig. 16), Sept. 7, 1880.

The eulachon or candle-fish of the northwest coast. By **James G. Swan**. < Proc. U. S. Nat. Museum, iii, pp. 257-264, Sept. 15, 1880.

[It is now known that the sand smelt referred to on page 258 is *Hypomesus pretiosus* and not *H. olidus*.]

Descriptions of two new species of fishes, *Ascelichthys rhodorus* and *Scytalina cerdale*, from Neah Bay, Washington Territory. By **David S. Jordan** and **Charles H. Gilbert**. < Proc. U. S. Nat. Museum, iii, pp. 264-268, Sept. 15, 1880.

[*Ascelichthys* n. g. *Cottid*, *Scytalina* n. g. *Congrogadid*.]

Neue Gattungen und Arten von Fischen. Von **Franz Steindachner**. < Anzeig. Akad. Wien, No. xix, pp. 158-159.

[“N. g. *Ptychochromis*, *Ancharius*, *Hypoptychus*, *Neozoarces*, mit Diagnosen.”—Zool. Anzeiger, iii, No. 65, p. 460, Sept. 20, 1880.]

Description of two new species of Scopeloid fishes, *Sudis ringens* and *Myctophum crenulare*, from Santa Barbara Channel, California. By **David S. Jordan** and **Charles H. Gilbert**. < Proc. U. S. Nat. Museum, iii, pp. 273-276, Sept. 28, 1880.

Do flying fish fly? By **C. O. Whitman**. < American Naturalist, vol. xiv, No. 9, pp. 641-653, Sept., 1880.

Description of two new species of flounders (*Parophrys ischyurus* and *Hippoglossoides classodon*), from Puget's Sound. By **David S. Jordan** and **Charles H. Gilbert**. < Proc. U. S. Nat. Museum, iii, pp. 276-280, Sept. 28, 1880.

[Definition of genus *Parophrys* modified, page 277.]

1880—Continued.

Description of a new sparoid fish (*Sparus brachysomus*), from Lower California.

By **W. N. Lockington**. <Proc. U. S. Nat. Museum, iii, pp. 284-286, Sept. 28, 1880.

Description of seven new species of Sebastoid fishes, from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 287-298, Sept. 28, 1880.

[New species: *Sebastichthys atrovirens*, *rubrivinctus*, *veixillaris*, *chlorostictus*, *constellatus*, *rastrelliger* and *fasciolaris* Lockington (a substitute for *Sebastes fasciatus* Girard, the name *fasciatus* being preoccupied).]

Description of a new Embiotocoid (*Abeona aurora*), from Monterey, California, with notes on a related species. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 299-301, Sept. 28, 1880.

[*Ditrema brevipinne* Günther is considered a synonym of *Brachyistius frenatus* Gill.]

Description of a new flounder (*Platysomichthys stomias*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 301-303, Sept. 28, 1880.

[The writers, in a paper written later than the above, but published earlier (*op. cit.*, p. 51), founded the genus *Atheresthes* for this species.]

Description of a new Embiotocoid fish (*Cymatogaster rosaceus*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 303-305, Sept. 28, 1880.

[*Brachyistius frenatus* Gill is referred to the genus *Cymatogaster*.]

Description of a new species of deep-water fish (*Icichthys Lockingtoni*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 305-308, Sept. 28, 1880.

[*Icichthys* n. g., representing a new family, *Icosteidae*, which is defined on page 307. *Icosteus* and *Icichthys* compared.]

Description of a new Embiotocoid fish (*Ditrema atripes*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 320-322, Sept. 28-Oct. 27, 1880.

[*Phanerodon* Girard is considered a synonym of *Ditrema*.]

Description of a new Scorpenoid fish (*Sebastichthys maliger*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 322-324, Oct. 27, 1880.

Note on a new flat-fish (*Lepidopsetta isolepis*), found in the markets of San Francisco. By **W. N. Lockington**. <Proc. U. S. Nat. Museum, iii, p. 325, Oct. 27, 1880.

Note on a forgotten paper of Dr. Ayres and its bearing on the nomenclature of the Cyprinoid fishes of the San Francisco markets. By **David S. Jordan**. <Proc. U. S. Nat. Museum, iii, pp. 325-327, Oct. 27, 1880.

[The paper referred to was published in the "Daily Placer Times and Transcript", issue of May 30, 1854; it determines the nomenclature of *Telestes gibbosa*, *Orthodon microlepidotus*, *Pogonichthys macrolepidotus*, and *Catostomus occidentalis*.]

Description of a new Scorpenoid fish (*Sebastichthys proriger*), from Monterey Bay, California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 327-329, Oct. 27, 1880.

Description of a new Agonoid (*Agonus vulsus*), from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 330-332, Oct. 27, 1880.

[In a foot-note on page 332, *Agonus (Brachyopsis) Barkani* Steind. is stated to be a synonym of *Brachyopsis verrucosus* Lock., and *Agonus (Brachyopsis) Annæ* Steind. is said to be antedated by *Brachyopsis xyosternus* Jor. & Gilb.]

Description of a new species of *Hemirhamphus (Hemirhamphus roseæ)*, from the coast of California. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 335-336, Oct. 27, 1880.

1880—Continued.

- Do flying fish fly? By **David S. Jordan**. <Amer Naturalist, vol. xiv, No. 11, pp. 804-805, November, 1880.
[Observations on *Exocoetus californicus* Cooper.]
- On the flight of the flying fish. By **C. O. Whitman**. <The Zoologist, London, Third Series, vol. iv, No. 47, November, 1880, pp. 471-481.
["From the Amer. Naturalist for September. Slightly abridged."]
- Description of a new species of *Notidanoid* shark (*Hexanchus corinus*), from the Pacific coast of the United States. By **David S. Jordan** and **Charles H. Gilbert**. <Proc. U. S. Nat. Museum, iii, pp. 352-355, Nov. 23-Dec. 21, 1880.
[*Heptranchias maculatus*, described on pages 353 and 354, *Somniosus microcephalus*, *Lamna cornubica*, and *Eulamia* sp. are noted as additions to the list of sharks on the Pacific coast.]
- An introduction to the Study of Fishes. By **Albert C. L. G. Günther**, M. A., M. D., Ph. D., F. R. S., Keeper of the Zoological Department in the British Museum. Edingburgh, Adam and Charles Black, 1880.
[West coast species are frequently referred to.]

CATALOGUE OF OLD WORLD BIRDS IN THE UNITED STATES NATIONAL MUSEUM.

By **ROBERT RIDGWAY**.

The following list includes all the species of extra-American birds at present represented in the collection of the U. S. National Museum, numbered, named, and classified according to Gray's "Hand-list."*

The object of this list is to render apparent the desiderata of the National Museum in the way of Old World birds, so that museums or individuals desiring to make exchanges may know what species are wanted. Genera and subgenera not now in the collection, are the chief desiderata, and as many as possible of them are desired, especially of forms belonging or nearly related to groups which are represented in the American avian-fauna.

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| <p>Fam. GYPÆTIDÆ (I, p. 1).</p> <p>1. <i>Gypaëtus barbatus</i>.</p> <p>Fam. VULTURIDÆ.</p> <p>Subfam. VULTURINÆ (I, p. i).</p> <p>3. <i>Vultur monachus</i>.</p> <p>5. <i>Otogyps auricularis</i>.</p> <p>8. <i>Gyps fulvus</i>.</p> <p>11. <i>bengalensis</i>.</p> <p>Subfam. NEOPIRONINÆ (I, p. 4).</p> <p>21. <i>Neophron percnopterus</i>.</p> <p>Fam. FALCONIDÆ.</p> <p>Subfam. BUTEONINÆ (I, p. 6).</p> <p>36. <i>Buteo vulgaris</i>.</p> <p>38. <i>plumipes</i>. (Juv.)</p> | <p>81. <i>Archibuteo lagopus</i>.</p> <p>84. <i>asiaticus</i>. (Juv.)</p> <p>85. <i>hemilasius</i>. (Juv.)</p> <p>Subfam. AQUILINÆ (I, p. 10).</p> <p>87. <i>Aquila chrysaëtos</i>.</p> <p>88. <i>imperialis</i>.</p> <p>91. <i>clanga</i>.</p> <p>92. <i>nævia</i>.</p> <p>99. <i>Pseudaëtus bonelli</i>.</p> <p>100. <i>Hieraaëtus pennatus</i>.</p> <p>119. <i>Circaëtus galliens</i>.</p> <p>128. <i>Spilornis holospilus</i>.</p> <p>131. <i>Pandion haliaëtus</i>.</p> <p>139. <i>Poliornis poliogenys</i>. (Juv.)</p> <p>144. <i>Haliaëtus albicilla</i>.</p> <p>146. <i>Thalassoaëtus pelagicus</i>. (Juv.)</p> |
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* Hand-list of the Genera and Species of Birds, distinguishing those contained in the British Museum. By G. R. Gray, F. R. S., etc., Assistant Keeper of the Zoölogical Collections. 3 vols. 8vo. London: 1869-1871.